

COLUMBIA **ENGINEERING** 2862 BUFORD HIGHWAY SUITE 200 DULUTH, GEORGIA 30096 (770) 925-0357



REVISIONS —	DATE		
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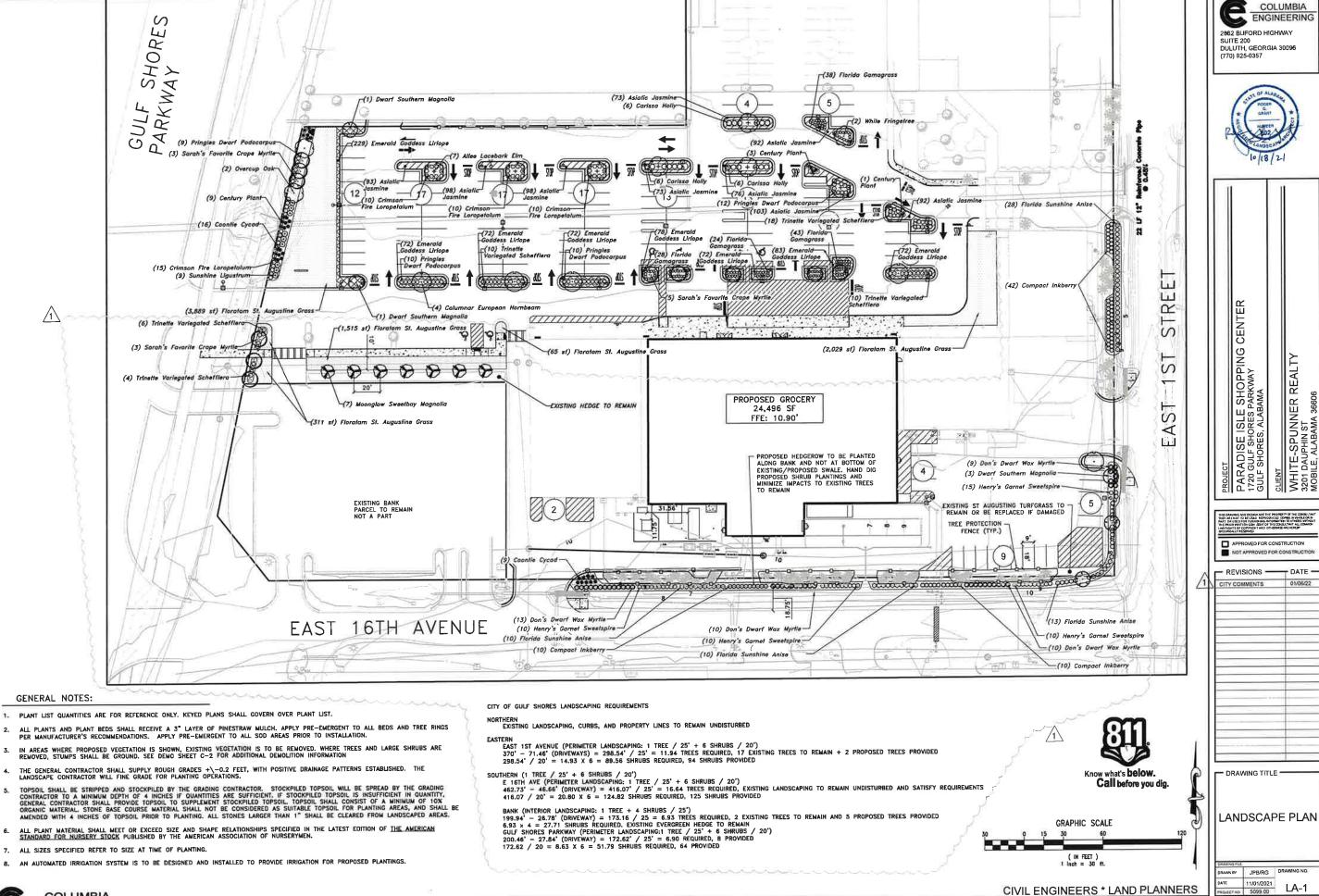
- DRAWING TITLE -TREE SURVEY AND TREE **PROTECTION** PLAN AWN BY JPB/RG DRAWING NO. DATE 01/07/2022 TP-1

COLUMBIA ENGINEERING

CIVIL ENGINEERS * LAND PLANNERS LANDSCAPE ARCHITECTS * SURVEYORS

GRAPHIC SCALE

(IN FEET) 1 Inch = 30 ft.



LANDSCAPE ARCHITECTS * SURVEYORS

COLUMBIA ENGINEERING

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SPECIFICATIONS:

GENERAL:

BEFORE BEGINNING ANY WORK, ALL UTILITIES AND UNDERGROUND CONSTRUCTION SHALL BE LOCATED BY THE THE LANDSCAPE CONTRACTOR SO THAT PROPER PRECAUTIONS MAY BE TAKEN NOT TO DISTURE OR DAMAGE ANY SUBSURFACE IMPROVEMENTS. WHERE PUBLIC UTILITIES ARE PRESENT, THE LANDSCAPE CONTRACTOR SHALL REQUEST ON—SITE LOCATIONS PALL UTILITY COMPANIES AND CONFIRM THAT SUCH LOCATIONS HAVE BEEN COMPLETED. THE LANDSCAPE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MAKING, AT HIS OW EXPENSE, ALL REPAIRS TO DAMAGED UTILITIES RESULTING FROM WORK COVERED BY THIS CONTRACT.

THE LANDSCAPE CONTRACTOR SHALL TAKE MEASURES TO PREVENT DUST, MUD, EQUIPMENT MARKS, ETC FROM SOILING AND DAMAGING IMPROVEMENTS. ANY DAMAGE SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.

PLANTS SHALL BE WATERED PRIOR TO TRANSPORTATION AND SHALL BE KEPT MOIST UNTIL PLANTED, ALL PLANTS SHALL BE PROTECTIVE OF THE PROTECTIVE COVERING OF ENCLOSED TRUCK.

ALL PLANTING AND PLANT MATERIAL REQUIRED BY THIS CONTRACT SHALL BE IN A SATISFACTORY AND ACCEPTABLE CONDITION WHEN THE CONTRACTOR APPLIES FOR PAYMENT.

INSTALL TREES PLUMB. DO NOT DEPEND ON STAKING TO PULL PLANTS TO PLUMB POSITION. STAKING SHALL BE ON AN AS-NEEDED BASIS.

AFTER PLANTS ARE INSTALLED, ALL PLANT BEDS AND TREE RINGS SHALL RECEIVE TREATMENT WITH PRE-EMERGENT TO PREVENT WEED GERMINATION.

THE OWNER'S REPRESENTATIVE SHALL INSPECT THE TOTAL WORK FOR ACCEPTANCE UPON REQUEST OF THE LANDSCAPE CONTRACTOR. ANY UNSATISFACTORY ITEMS SHALL BE NOTED AND MUST BE REMEDIED BY THE LANDSCAPE CONTRACTOR PRIOR TO ACCEPTANCE. UPON SATISFACTORY COMPLETION OF ALL WORK, THE OWNER'S REPRESENTATIVE SHALL CERTIFY IN WRITING ACCEPTANCE OF THE WORK. PAYMENT FOR CONTRACT WORK TO THE CONTRACTOR PURSUANT TO ISSUANCE OF ACCEPTANCE SHALL BE DEEMED THE FINAL PAYMENT FOR SAID WORK.

WARRANTY:

THE WARRANTY PERIOD SHALL BEGIN ON THE DATE OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. ALL PLANT MATERIAL SHALL BE WARRANTEED BY THE LANDSCAPE CONTRACTOR FOR A PERIOD OF ONE YEAR FOLLOWING ACCEPTANCE. THE LANDSCAPE CONTRACTOR SHALL REPLACE, AT NO EXPENSE TO THE OWNER, UNHEALTHY PLANTS WITHIN 15 DAYS. THIS ASSUMES THAT NO SUCH REPLACEMENTS ARE NECESSITATED BY NEGLECT OR ABUSE BY OWNER, BY VANDALISM OR BY ACTS-OF-GOD DAMAGE.

REPLACEMENT SIZES SHALL BE COMPARABLE TO THOSE ATTAINED BY ADJACENT THRIVING PLANTS. ALL REPLACEMENT STOCK WILL BE SUBJECT TO THE SAME WARRANTY REQUIREMENTS AS THE ORIGINAL STOCK. REPLACEMENT WARRANTY BEGINS ON DAY OF

THE LANDSCAPE CONTRACTOR SHALL MAKE ALL NECESSARY REPAIRS TO GRADES, VEGETATIVE COVER AND PAVING REQUIRED BECAUSE OF PLANT REPLACEMENTS. SUCH REPAIRS SHALL BE DONE AT NO EXTRA COST TO THE OWNER.

GRASSING:

PREPARE AREAS TO BE GRASSED BY REFINED GRADING TO INSURE PROPER DRAINAGE AND DISCOURAGE EROSION. ELIMINATE UNDESIRABLE GRASS AND WEED GROWTH IN AREAS TO BE GRASSED AND TAKE MEASURES AS NECESSARY TO PREVENT RE-GROWTH OF UNDESIRABLE PLANTS. SOIL SHALL BE TILLED OR LOOSENED TO 4" MIN. DEPTH, INCORPORATING FERTILIZER, LIME AND OTHER APPROPRIATE ADDITIVES AS INDICATED BY SOIL TEST INTO THE TOP 2" TO 3".

FOR SEEDED AREAS:

UNLESS HYDROSEEDED, AFTER SEED IS PLACED, FIRM SEEDS INTO THE TOP 1/4" OF SOIL

MULCH IMMEDIATELY WITH EITHER WEED-SEED-FREE DRY STRAW, OR WOOD CELLULOSE FIBER.

WATER AS NEEDED TO ESTABLISH SEEDLINGS. RE—SEED AT INTERVALS UNTIL ALL SEEDED AREAS SHOW 95% COVER.

SOD SHALL BE STRONGLY ROOTED, 2 YEAR OLD STOCK. THE SOD SHALL BE TOP QUALITY CERTIFIED SOD, FREE OF WEEDS, UNDESIRABLE NATIVE GRASSES, INSECTS AND DISEASES, AND UNIFORM IN THICKNESS. PROVIDE CERTIFICATION TAG TO OWNER. ALL SOD SHALL BE MACHINE CUT AND VIGOROUSLY GROWING (NOT DORMANT)

LAY SOD WITHIN 24 HOURS FROM TIME OF STRIPPING. DO NOT PLANT DORMANT SOD OR IF GROUND IS FROZEN.

LAY SOD TO FORM A SOUD MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOD STRIPS. DO NOT OVERLAP.

IN SLOPING AREAS, SOD SHALL BE LAID WITH THE LONG EDGES PARALLEL TO THE CONTOURS AND WITH JOINTS STAGGERED.

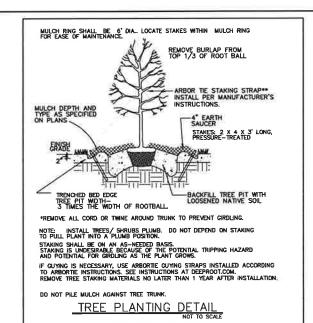
SOD SHALL BE SECURED IN-PLACE WITH STAPLES ON SLOPES GREATER THAN 3:1

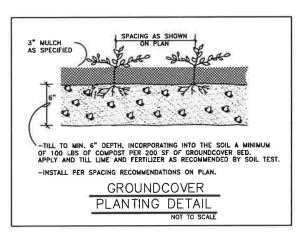
STAPLES FOR SOD STAKING SHALL BE NO. 11 GAUGE STEEL WIRE, U-SHAPED WITH LEGS 12 INCHES IN LENGTH AND 1" CROWN. STAPLES SHALL BE PLACED AT INTERVALS NO GREATER THAN 2' ON CENTER. TOP OF STAKES SHALL BE DRIVEN FLUSH WITH SOD AS NOT TO INTERFERE WITH MOWING OPERATIONS.

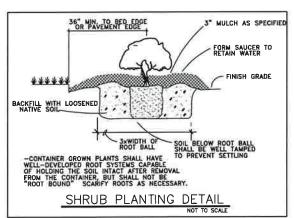
TAMP OR ROLL TO INSURE CONTACT WITH SOIL, WORK SIFTED SOIL INTO MINOR CRACKS BETWEEN PIECES OF SOD. REMOVE EXCESS SOIL TO AVOID SMOTHERING OF ADJACENT GRASS.

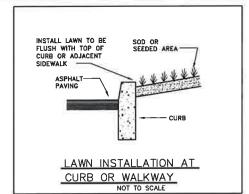
SOD SHALL BE WATERED IMMEDIATELY AFTER ROLLING OR TAMPING

APPLY PRE-EMERGENT TO ALL AREAS TO BE SODDED PRIOR TO INSTALLATION.

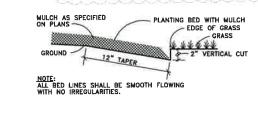




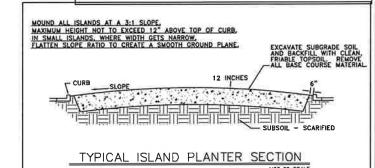


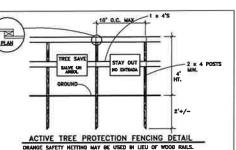






TRENCHED BED EDGE DETAIL





TREE PROTECTION MOTES:

1. ALL TREE PROTECTION DEVICES ARE TO BE INSTALLED PRIOR TO THE START OF LAND INSTURBANCE ACTIVITIES AND SHALL BE MAINTAINED UNTIL FINAL LANDSCAPING IS INSTALLED.

- 2. TREE PROTECTION FENCING SHALL BE INSTALLED IN LOCATIONS SHOWN ON PLAN.
- 4, TREE PROTECTION FENCES MUST HAVE SIGNAGE IN BOTH ENGLISH AND SPANEN THAT READS "STAY OUT", "NO ENTRADA", AND "TREE SAVE", "SALVE UN ARBOL", POSTED ON FENCE EVERY 20 FEET WITH A MINIMI OF FOUR (4) SIGNS.
- ALL TREE PROTECTION AREAS TO BE PROTECTED FROM SEDIMENTATION.
 INSTALL SILT FENCE ALDMO TREE PROTECTION FENCING WHEREVER
 GRADING OCCURS ON THE UPHILL SIDE OF THE TREE PROTECTION ZONE.
- 8. NO PARKING, STORAGE OR OTHER CONSTRUCTION SITE ACTIVITIES ARE TO OCCUR WITHIN TREE PROTECTION AREAS.
- 7. ANY ROOTS WHICH MUST BE CUT SHALL BE CUT WITH A SHARP TOOL. THE TEARING OF ROOTS WITH HEAVY MACHINERY COULD RESULT IN EXTENSIVE ROOT AND STEED DECAY. NEAR TREES, USE A DITCHWITCH TO CUT A 2 FOOT DEEP MINIMUM TRENCH ALONG LAND DISTURBANCE LIMITS TO ACCOMPLEX A CLEAN CUT.

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REAL CLIENT
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3201 DAUPHIN ST
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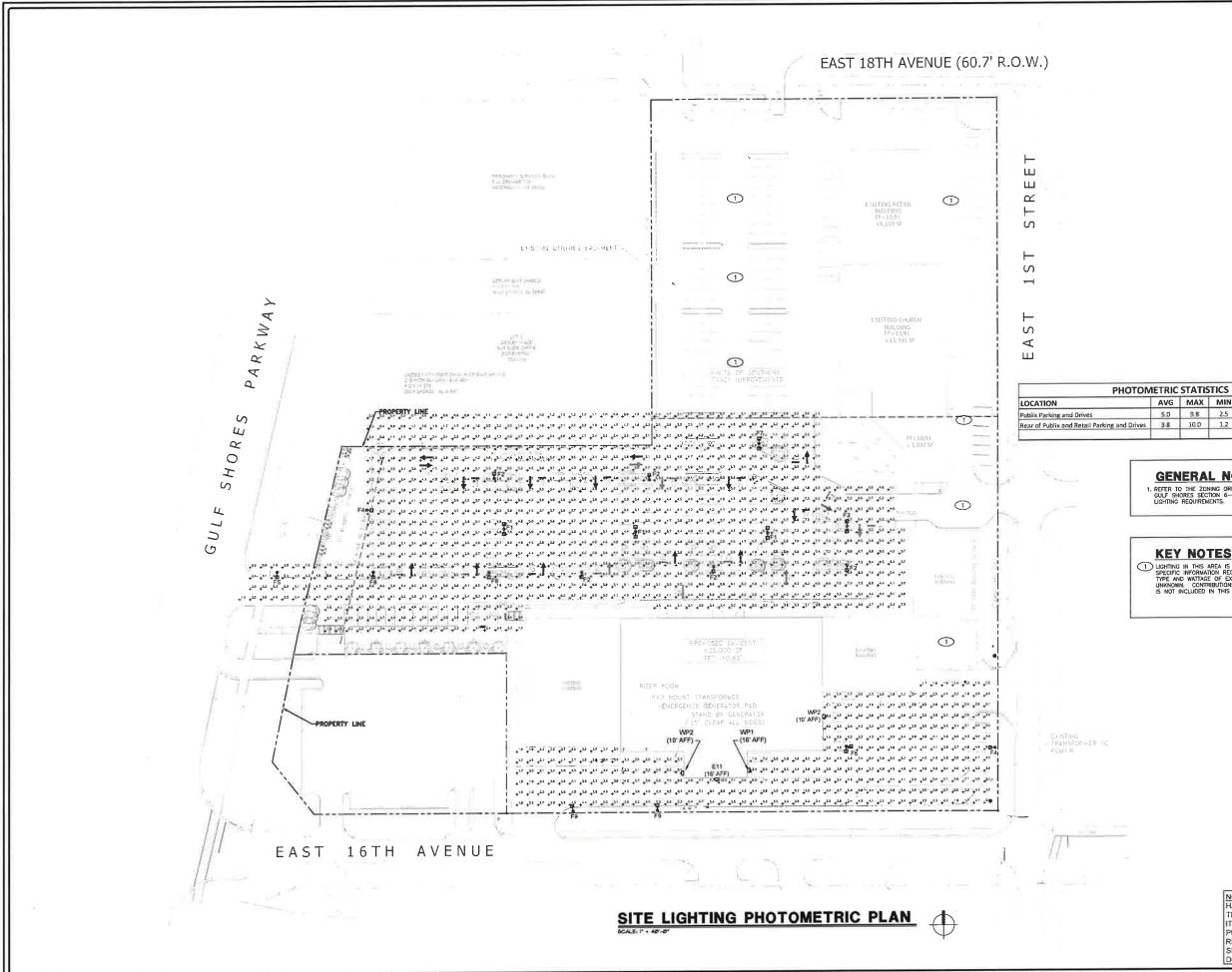
REVISIONS -T DATE -01/06/22

DRAWING TITLE

LANDSCAPE SPECS, DETAILS, AND PLANT SCHEDULE

JPB/RG DRAWING NO DATE 11/01/2021 PROJECT NO 5099 00 LA-2

ENGINEERING





CENTER SHOPPING

ISLE

PARADISE

GULF SHORES PARKWAY SHORES, AL 36542

PUBLIX
1720 GULF
GULF SHORI

PHOTOMETRIC

SITE LIGHTING

GENERAL NOTES

REFER TO THE ZONING ORDINANCE FOR THE CITY OF GULF SHORES SECTION 6-12 FOR LOCAL SITE LIGHTING REQUIREMENTS.

AVG MAX MIN MAX/MIN AVG/MIN

5.0 9.8 2.5 3.9:1 2.0:1

1.2 8.3:1 3.2:1

KEY NOTES

10.0

3.8

LIGHTING IN THIS AREA IS EXISTING TO REMAIN, SPECIFIC INFORMATION REAGRINING MAKE, MODEL, TYPE AND WATTAGE OF EXISTING FIXTURES IS UNKNOWN, CONTRIBUTIONS FROM EXISTING LIGHTING IS NOT INCLUDED IN THIS PHOTOMETRIC PLAN.

DRAWING DATE: 11-12-21

SCALE: 1" = 40'-0"

DRAWN BY: SP DESIGNED BY: KS CHECKED BY: KS

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HUBBELL Lighting

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40 (100 d)	GTT LGS PS PS WHIT WHAT WHAT WAS WEST PS CCC COMM	5 5 600: Pr. 8	WPM_E Still Pictures FF-14 FF-14 TT. F	The second secon	

Type	Manufacturer	Catalog Number				Input					
			Volts	No.	Watts	Type	Watts	VA	EPA	Fixture Mounting	Notes
E10	Beacon	TRV-D-24L-27-4K7-3-UNV-WHT	120	1	27	LED	27	27	n/a	SEE PLANS FOR MOUNTING HEIGHT	
E11	Beacon	TRV-60L-136-4K7-3-UNV-WHT	120	1	136	LED	136	136	n/a	SEE PLANS FOR MOUNTING HEIGHT	
WP1	Beacon	TRV-60L-136-4K7-4-UNV-WHT	120	1	136	LED	136	135	n/a	SEE PLANS FOR MOUNTING HEIGHT	
WP2	Beacon	TRV-24L-27-4K7-4-UNV-WHT	120	1	27	LED	.27	27	n/a	SEE PLANS FOR MOUNTING HEIGHT	
FI	Beacon	VPL-96L-220-4K7-3-UNV-DB 2@180	TBD	2	220	LED	440	540	2.4	27' ROUND STRAIGHT STEEL POLE ON 36" BASE	1.
F2	Beacon	VPL-96L-220-4K7-3-UNV-DB	TBD	1	220	LED	220	270	1.2	27' ROUND STRAIGHT STEEL POLE ON 36" BASE	1
F3	Beacon	VPL-96L-220-4K7-5QM-UNV-DB 2@180	TBD	2	220	LED	440	540	24	27' ROUND STRAIGHT STEEL POLE ON 36" BASE	1
F4	Beacon	VPL-96L-280-4K7-4-UNV-DB	TBD	1	280	LED	280	340	1.2	27' ROUND STRAIGHT STEEL POLE ON 36" BASE	1
F5	Beacon	VPL-96L-280-4K7-3-UNV-DB-HSS-90-R	TBD	1	280	LED	280	340	1.2	27' ROUND STRAIGHT STEEL POLE ON 36" BASE	1
F6	Beacon	VPL-96L-220-4K7-4-UNV-DB 2@90	TBD	2	220	LED	440	540	1.9	27 ROLIND STRAIGHT STEEL POLE ON 36" BASE	1
F7	Beacon	VPL-96L-280-4K7-3-UNV-DB 2@180	TBD	2	280	LED	560	680	2.4	27 ROUND STRAIGHT STEEL POLE ON 36" BASE	1
F8	Beacon	VPL-96L-280-4K7-3-UNV-DB	TBD	1	280	LED	280	340	1.2	27 ROUND STRAIGHT STEEL POLE ON 36" BASE	1
F9	Beacon	VPL-96L-220-4K7-4-UNV-DB	TBD	1	220	LED	220	270	12	27 ROUND STRAIGHT STEEL POLE ON 36" BASE	1
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NOTES:
1, BASIC DESIGN WIND SPEED IS 150 MPH FOR CATEGORY II STRUCTURE. POLE EPA RATING SHALL EXCEED FIXTURE EPA RATING AT OR ABOVE BASIC DESIGN WIND SPEED



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SHOPPING SCHEDUL ISLE AND BLIX PARADISE IS)
GULF SHORES PARKWAY
STHORES, AL 36542 FIXTURES LIGHTING PUBLIX
1720 GULF
GULF SHORE ш SITE

SCALE: NO SCALE DRAWING DATE: 11-12-21

SL2.1

DRAWN BY: SP DESIGNED BY: KS CHECKED BY: KS

REVISIONS

Digitally Signed Robert K Stacy 2021,11,12 08:50:49-05'00'

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BEACON

VIPER L

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CONTROL TECHNOLOGY

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OPTICS

Cantridge is the disopellar with informal brass standolfs soldered to the heard so that it can be from rechilled a disonal were collecting system.

ELECTRICAL

• Luminaire accepts 100V through 277V = 27V or 480V input 50 Hz to 60 Hz (UNV) Pov * lector to 90 at full load.

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MIA-VIPE - SPEC

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SPECIFICATIONS

FEATURES Lines the consumor Vi → Small

